

GUANGYANG SECONDARY SCHOOL
2023 Semester Plan
Sec 4 Normal (Academic) (7055) – Design & Technology

Term 1	Topic	Remarks
Week 1	Coursework Expectations and Rubrics. Presentation board (Revision on Sec3 Work)	
Week 2	Revision on Electives (Design and Structures)	
Week 3	Revision on Electives (Electronics and Mechanisms)	CNY
Week 4	Gantt Chart Reflection Template	
Week 5	Theme Analysis Seeking Design Opportunity	WA1
Week 6	Interview and Survey Research (UEF) Product Analysis	
Week 7	Design Brief, Design Situation and Design Specifications Research (UEF)	
Week 8	Idea Exploration	
Week 9	Idea Exploration	
Week 10	Idea Exploration	Sec4/5 PTM
Term Break		
Term 2	Topic	
Week 1	Idea Conceptualisation and Development	
Week 2	Development	
Week 3	Mock-up Further development	Good Fri
Week 4 Good Friday	Mock-up Further development	
Week 5	Mock-up Further development	
Week 6	Final Design Part Drawing Material List	Hari Raya Puasa
Week 7	Final Dimensions Part Drawing Material List	Labour Day Commendation Day
Week 8	Production Planning Prototyping	WA2
Week 9	Prototyping Modifications	
Week 10	Prototyping Presentation Board	
Semester Break (June Holidays)	Prototyping Presentation Board	
Term 3	Topic	
Week 1	Presentation Board Evaluation	Hari Raya Haji (Thur)
Week 2	Improvements Final Gantt Chart Submission of Coursework	Youth Day (Mon)
Week 3	Revision on Design / Mechanisms	
Week 4	Revision on Mechanisms / Electronics	
Week 5	N Level Preliminary Examinations	
Week 6	N Level Preliminary Examinations	
Week 7	N Level Preliminary Examinations	

Syllabus for GCE N Level Design & Technology (Subject code: 7055) can be retrieved from https://www.seab.gov.sg/docs/default-source/national-examinations/syllabus/nlevel/2023syllabus/7055_y23_sy.pdf

Assessment Weightings					
	Term 1	Term 2	Term 3	Total	
Sec 4-5	Written Test WA1 (15%)	Written Test WA2 (15%)	Preliminary Exam (70%)	100%	
	National Exam Coursework				

**Please note that the topics might be subject to minor changes. Students will be updated accordingly.*

2 Assessment for Exam Coursework

Paper 1 (40%) Written Examination (1hr 30 min – 60 marks)

Candidates are to answer **all** questions. The questions will be design-centric.
 Question 1 requires knowledge application of Section 1 Design.
 Question 2 and Question 3 require knowledge application of Section 2 Technology, specifically mechanisms and electronics.

The mark allocation is:

Question 1 24 out of 60 marks
 Question 2 and 3 36 out of 60 marks

Paper 2 (60%) Design Project (60 marks)

The Design Project is an individual coursework-based examination.
 The Design Project will comprise two components: The Design Journal and Presentation Board.